

DOCKET NO.: 220471US2S



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

#19/a  
5/15/3  
Suzer

IN RE APPLICATION OF

YUSUKE KAWAGUCHI, ET AL.

: EXAMINER: ERDEM, FAZLI

SERIAL NO: 10/091,423

:

FILED: MARCH 7, 2002

: GROUP ART UNIT: 2826

FOR: VERTICAL-TYPE POWER MOSFET :  
WITH A GATE FORMED IN A  
TRENCH

TECHNOLOGY CENTER 2800

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AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

In response to the Official Action mailed February 3, 2003, please amend this application as follows:

IN THE CLAIMS

Please amend Claims 1, 10 and 14 to read as follows:<sup>1</sup>

1. (Amended) A power MOSFET, comprising:

a low resistive semiconductor substrate of a first conductivity type having a first main surface and a second main surface opposing to each other;  
a drift layer of the first conductivity type formed on the first main surface of the semiconductor substrate;

a high resistive epitaxial layer of the first conductivity type formed on the drift layer;

<sup>1</sup>A marked-up copy of the changes made in this amendment is attached.

Docket No. 220471US2S

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FOR: VERTICAL-TYPE POWER MOSFET WITH A GATE FORMED IN A TRENCH

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Transmitted herewith is an amendment in the above-identified application.

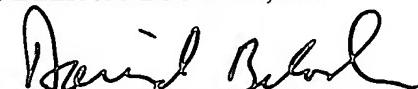
- No additional fee is required
- Small entity status of this application under 37 C.F.R. §1.9 and §1.27 is claimed.
- Additional documents filed herewith:

The Fee has been calculated as shown below:

CLAIMS	CLAIMS REMAINING		HIGHEST NUMBER PREVIOUSLY PAID	NO. EXTRA CLAIMS	RATE	CALCULATIONS
TOTAL	30	MINUS	30	0	x \$18 =	\$0.00
INDEPENDENT	3	MINUS	3	0	x \$84 =	\$0.00
		<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS		+ \$280 =		\$0.00
		TOTAL OF ABOVE CALCULATIONS				\$0.00
		<input type="checkbox"/> Reduction by 50% for filing by Small Entity				\$0.00
		<input type="checkbox"/> Recordation of Assignment		+ \$40 =		\$0.00
					TOTAL	\$0.00

- A check in the amount of \$0.00 is attached.
- Please charge any additional Fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.
- If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time may be charged to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

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